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(71) Applicant (for all designated States except US): **UNIVERSITY OF ROCHESTER** [US/US]; 601 Elmwood Avenue, Box OTT, Rochester, NY 14642 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **TOPHAM, David, J.** [US/US]; 472 Stone Road, Pittsford, NY 14534 (US). **RAY, Steven, J.** [US/US]; 463 Elmwood Terrace, Rochester, NY 14620 (US).

(74) Agents: **MCKEON, Tina, Williams** et al.; Needle & Rosenberg, P.C., Suite 1000, 999 Peachtree Street, Atlanta, GA 30309-3915 (US).

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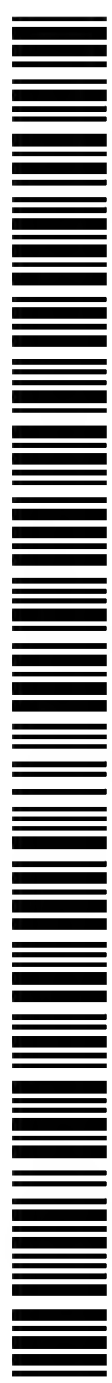
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(54) Title: METHODS OF EVALUATING EFFICACY OF AN IMMUNE RESPONSE BY ASSESSING ALPHA-1 INTEGRIN EXPRESSION

(57) Abstract: Disclosed are methods for evaluating efficacy of an immune response by assessing alpha-l integrin, screening for, and manufacturing those therapeutic agents. Described herein the presence of VLA-1+ (positive) T cells indicates an effective immune response. Also disclosed are methods of screening for antigens that induce the production of VLA-1+ (positive) T cells, methods of isolating the antigens, and methods using the antigens identified in the screening methods to treat a subject with a disease.



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